

(Modified) PTO/SB/08A-B (10-98)
Approved for use through 10/31/99, OMB Q651-0031

Substitute for form 1448A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known		
		Application Number	10/076,135	
		Filing Date	February 14, 2002	
		First Named Inventor	Stern	
		Group Art Unit	1741	
		Examiner Name		
		Attorney Docket Number	100/11020	

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Kind Code (if known)		Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
<i>JB</i>	AA	4,390,403	Batchelder	06-28-1983
	AB	4,908,112	Pace	03-13-1990
	AC	5,126,022	Soane et al.	06-30-1992
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	AG	5,498,392	Wilding et al.	03-12-1996
	AH	5,512,131	Kumar et al.	04-30-1996
	AI	5,571,410	Swedberg et al.	11-05-1996
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	AK	5,593,838	Zanzucchi et al.	01-14-1997
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	AY	5,885,470	Parce et al.	03-23-1999
	AZ	5,932,100	Yager et al.	08-03-1999
<i>JB</i>	BA	5,942,443	Parce et al.	08-24-1999

Examiner Signature	<i>Jeffrey Bata</i>	Date Considered	8/17/04
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<i>JS</i>	BB	5,948,227	Dubrow	09-07-1999	
	BC	5,955,028	Chow	09-21-1999	
	BD	5,958,694	Nikiforov	09-28-1999	
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	BQ	6,221,226	Kopf-Sill	04-24-2001	
	BR	6,235,471	Knapp et al.	05-22-2001	
<i>JS</i>	BS	6,280,589	Manz et al.	08-28-2001	
	BT				<i>JS</i>

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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
<i>JS</i>	BU	WO	9405414		UC Regents	03-17-1994		
	BV	WO	9502189		Abaxis, INC.	01-19-1995		
	BW	WO	9604547		Lockheed Martin	02-15-1996		
	BX	WO	9702357		Affymetrix, Inc.	01-23-1997		
	BY	WO	9845481		Caliper	09-15-1998		
	BZ	WO	9846438		Caliper	09-22-1998		
<i>JS</i>	CA	WO	9849548		Caliper	10-05-1998		

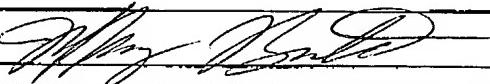
Examiner Signature	<i>John B. Stern</i>	Date Considered	8/17/04
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		Examiner Name	
		Attorney Docket Number	100/11020

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examin or Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T
<i>JS</i>	CB	DASGUPTA, P.K. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis," <u>Anal. Chem.</u> (1994) 66:1792-1798		
	CC	EFFENHAUSER, C.S. et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <u>Anal. Chem.</u> (1993) 65: 2637-2642		
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	CF	FAN, Z.H. et al., "Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," <u>Anal. Chem.</u> (1994) 66: 177-184		
	CG	FISTER, J.C. III et al., "Counting Single Chromophore Molecules for Ultrasensitive Analysis and Separations on Microchip Devices," <u>Anal. Chem.</u> (1998) 70: 431-437		
	CH	HADD, A.G. et al., "Microfluidic Assays of Acetylcholinesterase," <u>Anal. Chem.</u> (1999) 71: 5206-5212		
	CI	HARRISON, J. et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip," <u>Anal. Chem.</u> (1992) 64: 1926-1932		
	CJ	HARRISON, J. et al., "Towards Miniaturized Electrophoresis and Chemical Analysis Systems on Silicon: An Alternative to Chemical Sensors*, <u>Sensors and Actuators B</u> (1993) 10: 107-116		
	CK	HARRISON, J. et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip," <u>Science</u> (1993) 261: 895-897		
	CL	HARRISON, D.J. et al., "Integrated Electrophoresis Systems for Biochemical Analyses," <u>Solid-State Sensor and Actuator Workshop</u> (1994) 21-24		
	CM	JACOBSON, S.C. et al., "Effects of Injection Schemes and Column Geometry on the Performance of Microchip Electrophoresis Devices," <u>Anal. Chem.</u> (1994) 66:1107-1113		
	CN	JACOBSON, S.C. et al., "High-Speed Separations on a Microchip," <u>Anal. Chem.</u> (1994) 66: 1114-1118		
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Examiner Signature		Date Considered	8/17/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/076,135
		Filing Date	February 14, 2002
		First Named Inventor	Stern
		Group Art Unit	1741
		Examiner Name	
		Attorney Docket Number	100/11020

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<i>JS</i>	CQ	JACOBSON, S.C. et al., "Microchip Electrophoresis with Sample Stacking," <u>Electrophoresis</u> , (1995) 16: 481-486	
	CR	JACOBSON, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis," <u>Anal. Chem.</u> , (1995) 67: 2059-2063	
	CS	JACOBSON, S.C. et al., "Integrated Microdevice for DNA Restriction Fragment Analysis," <u>Anal. Chem.</u> , (1996) 68: 720-723	
	CT	JACOBSON, S.C. et al., "Electrokinetic Focusing in Microfabricated Channel Structures," <u>Anal. Chem.</u> , (1997) 69: 3212-3217	
	CU	JACOBSON, S.C. et al., "Microfluidic Devices for Electrokinetically Driven Parallel and Serial Mixing," <u>Anal. Chem.</u> , (1999) 71: 4455-4459	
	CV	MANZ, A. et al., "Miniaturized Total Chemical Analysis Systems: a Novel Concept for Chemical Sensing," <u>Sensors and Actuators</u> (1990) B1: 244-248	
	CW	MANZ, A. et al., "Micromachining of Monocrystalline Silicon and Glass for Chemical Analysis Systems," <u>Trends in Analytical Chemistry</u> (1991) 10:144-149	
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	CY	MANZ, A. et al., "Planar Chips Technology for Miniaturization of Separation Systems: A Developing Perspective In Chemical Monitoring,"	
	CZ	MANZ, A. et al., "Electroosmotic Pumping and Electrophoretic Separations for Miniaturized Chemical Analysis Systems," <u>J. Micromach. Microeng.</u> , (1994) 4: 257-265	
	DA	MANZ, A. et al., "Parallel Capillaries for High Throughput In Electrophoretic Separations and Electroosmotic Drug Discovery Systems," International Conference on Solid-State Sensors and Actuators (1997) 915-918	
	DB	McCORMICK, R.M. et al., "Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates," <u>Anal. Chem.</u> (1997) 69: 2626-2630	
	DC	MOORE, A.W. et al., "Microchip Separations of Neutral Species via Micellar Electrokinetic Capillary Chromatography," <u>Anal. Chem.</u> , (1995) 67: 4184-4189	
	DD	RAMSEY, J.M. et al., "Microfabricated Chemical Measurement Systems," <u>Nature Medicine</u> , (1995) 1:1093-1096	
	DE	SALIMI-MOOSAVI, H. et al., "Biology Lab-on-a-Chip for Drug Screening," Solid-State Sensor and Actuator Workshop (1998) 350-353	
	DF	SEILER, K. et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency," <u>Anal. Chem.</u> , (1993) 65:1481-1488	
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Examiner Signature	<i>Jeffrey Stern</i>	Date Considered	8/17/04
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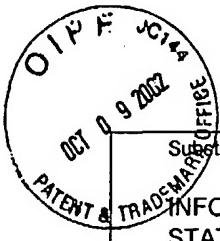
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		Application Number	10/076,135
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		First Named Inventor	Stern
		Group Art Unit	1741
		Examiner Name	
		Attorney Docket Number	100/11020

<i>[Signature]</i>	DH	UEDA, M. et al., "Imaging of a Band for DNA Fragment Migrating in Microchannel on Integrated Microchip," <i>Materials Science and Engineering C</i> (2000) 12:33-36	
	DI	WANG, C. et al., "Integration of Immobilized Trypsin Bead Beds for Protein Digestion within a Microfluidic Chip Incorporating Capillary Electrophoresis Separations and an Electrospray Mass Spectrometry Interface," <i>Rapid Commun. Mass Spectrom.</i> (2000) 14:1377-1383	
	DJ	WOOLLEY, A.T. et al., "Ultra-High-Speed DNA Fragment Separations Using Microfabricated Capillary Array Electrophoresis Chips," <i>Proc. Natl. Acad. Sci. USA</i> (1994) 91:11348-11352	
	DK	WOOLLEY, A.T. et al., "Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device," <i>Anal. Chem.</i> (1996) 68: 4081-4086	
	DL	WOOLLEY, A.T. et al., "High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips," <i>Anal. Chem.</i> (1997) 69:2181-2186	
	DM	WOOLLEY, A.T. et al., "Capillary Electrophoresis Chips with Integrated Electrochemical Detection," <i>Anal. Chem.</i> (1998) 70: 684-688	
<i>[Signature]</i>	DN	ZHANG, B. et al., "Microfabricated Devices for Capillary Electrophoresis-Electrospray Mass Spectrometry," <i>Anal. Chem.</i> (1999) 71:3258-3264	

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		Number	Kind Code (if known)		
JS	AA	5,645,702		Witt et al.	07-08-1997
JS	AB	6,132,580		Mathies et al.	10-17-2000
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FOREIGN PATENT DOCUMENTS						
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		Office	Number	Kind Code (if known)		
JS	AM	WO	00/28313		Princeton	05-18-2000
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
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Examiner Signature	<i>Jerry Stern</i>	Date Considered	8/16/04
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U.S. PATENT DOCUMENTS

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		Number - Kind Code (if known)			
AA	US-4,569,741	02-11-1986	Pohl		
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